

1                   Detecting Recessive Diseases in Inbred Populations

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4                   ABSTRACT OF THE DISCLOSURE

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6                   Techniques of using statistical analysis of genetic data to determine likely mark-  
7                   ers for a recessive genetic disease or trait. One embodiment of these techniques includes the  
8                   steps of obtaining actual genotype data for one or more affected people with the genetic disease  
9                   or trait in a population, obtaining estimated genotype data for the population, and analyzing the  
10                  actual and estimated genotype data to find a region in genomes of the affected people that in-  
11                  cludes markers exhibiting particular homozygous pairs of alleles more frequently than would oc-  
12                  cur randomly.